Prabin Shrestha

Software Engineer

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SKILLS

- Machine Learning/Deep Learning libraries: Scikit-learn, Keras, TensorFlow, NumPy, Pandas, Matplotlib, Seaborn, Tensorflow, Wordclouds
- Machine Learning algorithms: Linear Regression, Logistic Regression, Support Vector Machines (SVM), Naive Bayes, KNN, Decision Tree, Random Forest, Gradient Boosting, Principal Component Analysis (PCA), KMeans
- Deep Learning algorithms: CNN, RNN, LSTM
- NLP: NLTK, spaCy, Gensim, word2vec, GLoVe, doc2vec
- Programming languages: Python, Ruby, Java
- Frameworks : Django, Flask
- Collaboration and work management tools: Trello, Jira
- Cloud Computing and Containers: Docker, Google Cloud, AWS
- Database Technologies : Microsoft SQL Server, PostgreSQL, MongoDB

EXPERIENCE

Ramailo Tech, Raipur, Chattisgarh, India *- Software Engineer Lead*

May 2023 - PRESENT

- Solution Architecture Design with proper planning
- Managing and leading the team of software developers
- Development for electric fleet operation system for Alt Mobility
- Implemented agile methodologies to streamline development
- Actively participated in cross-functional meetings and collaborated with product managers, designers, and quality assurance teams to align development efforts with business objectives and user requirements.
- Managing projects' code quality

Mango Software Solutions, Kathmandu, Nepal *- Software Engineer Lead*

March 2021 - May 2023

- Research and development of financial software solutions.
- Managing and leading the team of software developers working on educational and fintech related softwares.
- Development of EMIS, CMS, ERP systems for mid-west university, NGOs and INGOs.

- Developed Knowledge Management System for Save The Children
- Development of CMS for NCC Bank Website
- Development of Intranet System, Reporting System, Logbook System, Video KYC, Account Opening System,etc for Prabhu Bank

Vurung Technologies, Kathmandu, Nepal - *AI Engineer*

August 2019 - February 2021

- Research and development of effective text parsing algorithms.
- Preparation and Review of custom dataset for modeling.
- Developed a custom model for Named Entity Recognition.
- Integration of ML system API with existing software.
- Development of Automatic Number Plate Recognition System

Mpercept Technology, Lalitpur, Nepal - *AI Developer*

June 2018 - July 2019

- Implemented and evaluated artificial intelligence and machine learning algorithms and neural networks for diverse industries.
- Identified new problem areas and researched technical details to build innovative products and solutions.
- Designed, implemented and evaluated new models and rapid software prototypes to solve problems in machine learning and systems engineering.
- Leveraged artificial intelligence and machine learning algorithms for standalone products and enhanced existing product offerings.
- Prototyped machine learning applications and quickly determined application viability.
- Operated with high integrity, built trust, and earned sustained credibility with internal and external clientele.
- Developed Chatbot application that provides solutions to given queries.
- Worked as Team Lead for developing Facial Recognition System.
- Worked on NLP projects related to document analysis, document classification and text similarity.
- Worked on Computer Vision projects related to food classification, image matching and vehicle trajectory analysis

Techrise, Lalitpur - *Trainee and Intern Fellowship*

August 2016 - December 2016

- Learned and developed a website using Rails and various gems.
- Designed, built and maintained efficient, reusable and reliable Ruby code
- Developed and maintained view layer of MVC framework
- Identified and fixed bottlenecks and bugs.
- Learned and implemented TDD principles

EDUCATION

Kathmandu Engineering College, Kalimati, Kathmandu

Bachelor's in Computer Engineering

2014 - 2018

St. Xavier's College, Maitighar, Kathmandu

+2 Science

2011 - 2013

Nawaratna English Secondary School, Thimi, Bhaktapur

SLC

2010

PROJECTS

FAQ CHATBOT

- A question answering bot for customer service of businesses which provides information based on the customer query in a natural language through website and mobile application.

CAPTION MAKER

- An application which generates a descriptive sentence of an image using neural networks (CNN and LSTM).

RESUME PARSER

- An application to extract information from resume documents like name, address, work experiences and so on.

AUTOMATIC NUMBER PLATE RECOGNITION

- An application to automatically detect and recognize number plates in vehicles.

BANK INTRANET SYSTEM

- An ERP system for banking processes.

ACHIEVEMENTS

- Mahatma Gandhi Scholarship Scheme (2011-2013)
- NATA Bachelor's Degree Scholarship (2014-2018)

EXTRA ACTIVITIES

- Organized AI Workshop in Kathmandu Engineering College
- AI Mentor for AIDevNepal
- Participated in Workshop on Machine Learning and Data Science Organized by MLDSN Community Nepal
- Participated in Open Data Hackathon 2019 organized by Open Data Nepal
- Member of Facebook Developer Circle, Kathmandu
- Life-time member of Nepal RedCross Society, Madhyapur Thimi
- Life-time of Nepal Anti-Tuberculosis Association, Bhaktapur